XU

Operator Manual

WASHTECH®

PROFESSIONAL WASH SYSTEMS

WARNING
Before installation and commisioning, you must read the safety instructions and warnings carefully and all the warning labels attached to the equipment.

IMPORTANT
Failure to comply (even partially) with the instructions given in this manual will invalidate the product warranty and relieves the manufacturer of any responsibility

IMPORTANT
The alteration of machine operation, design or the replacement of parts not approved by the manufacturer may void warranties and approvals.

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We have checked that the contents of this document correspond to the model described. There may be discrepancies nevertheless, and no guarantee can be given that they are completely identical. The information contained in this document is reviewed regularly and any necessary changes will be included in the next edition. We welcome suggestions for improvement.

Specifications and document subject to change without prior notice.

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Service 1 800 622 216
Parts 1 800 337 963

Distributed in Australia by Moffat Pty Limited
740 Springvale Road, Mulgrave, Victoria
Tel 09 9518 3888 | Fax 03 9518 3818

Safety Instructions

WARNING
Equipment contains dangerous voltages and can be hazardous if installed or operated incorrectly. Non-compliance with warnings or failure to follow the instructions contained in this manual can result in loss of life, severe personal injury or serious damage to property.

Installation
- Use qualified, skilled personnel
- Follow installation instructions
- Connect to correct voltage and supply current
- Provide fully accessible electrical Isolation Switch & water supply valves

Training and Supervision
- Read and understand the Operating instructions and train all staff
- This appliance must not be operated by children or infirm persons
- Machine panels must only be removed by suitably qualified and trained personnel – internal hazards include live electrics and very hot surfaces
- This appliance is not intended for use as a stepladder

Hot Surfaces
- Some surfaces may be hot or very hot

Chemicals
- Commercial dishwashing detergents are hazardous – handle with care
- Read and follow the safety information found on the labels of detergent containers and Material Safety Data Sheets
- Use protective eyewear and clothing if decanting containers

Hot Water
- Do not put hands in wash water which may be over 60°C and contain hazardous caustic detergent
- Rinse water can be over 90°C
- Door safety switches are designed for emergency use only

Cleaning
- Do not hose down the machine or splash water over the exterior
- Watch for broken glass etc when cleaning the inside of the machine

Service/repair
- Under no circumstances the user should attempt to carry out repairs
- All service/repair work must be carried out by qualified personnel only

Power Cord Replacement
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard

Installation Checklist

WARNING
Installer must be suitably qualified and ensure compliance with all codes and standards including AS/NZS3500.1.

Unpack
- Unpack the machine, check for damage and complete delivery.

Positioning
- Place machine on sound waterproof self draining floor and adjust feet to level
- Allow room for adjacent chemical containers

Water
- Flush supply lines before connection
- Connect hose supplied to adjacent accessible isolator valve - 20 mm 3/4” male
- Flow rate required - 20 litres per minute
- Temperature - 65˚C
- Consumption per cycle - 2.6 litres
- Pressure required - 200-350 kPa - fit limiter above this pressure
- Back Flow - Dual Check Valve (DCV) supplied with the machine
- Potable water quality is required - filter or soften if necessary

Power
- Machine shipped with cordset for 15 A 240V 50Hz via adjacent switched outlet

Waste
- Connect drain pump hose supplied to vented upstand or sink waste connection

Detergent
- Note that detergent is hazardous - read instructions and handle with care
- Insert hose into container of commercial dishwasher low foam detergent
- Pump will prime as machine fills and then come up to strength with use

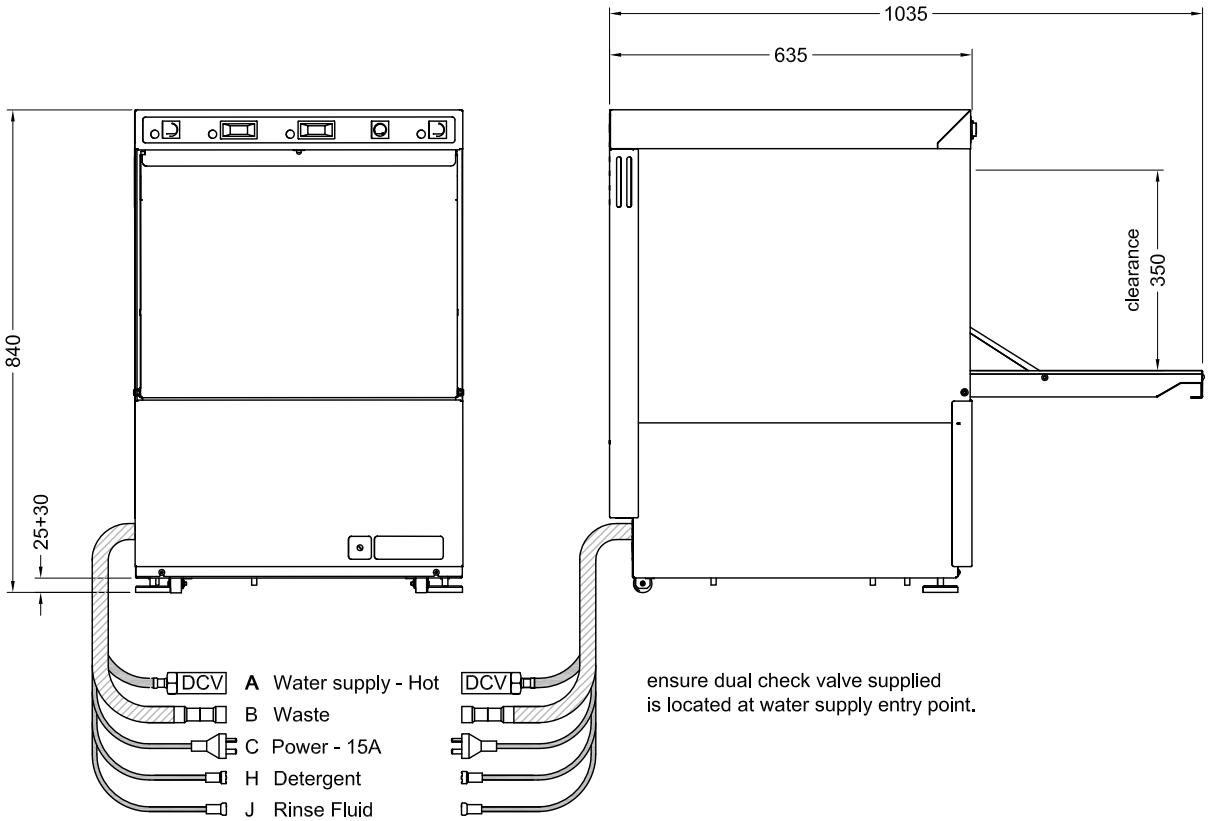
Rinse Fluid
- Insert hose into adjacent container of commercial dishwasher rinse fluid.
- Injector accessible via front panel - increase consumption by winding adjuster screw out
- Every turn out of the adjusting screw will increase the dose by about 0.4ml.

Operation
- Run several cycles, ensure that operator has read and understands instructions

Troubleshooting Installation
- If machine doesn’t fill after switching on power, check & ensure that hot water supply tap is open, water supply pressure is not below specification and DCV is correctly installed as per arrow on DCV body.

XU Installation Diagram

XU INST 16-10-14 3C



Machine Operation

START UP

Fit scrap trays, filter drain upstand, and shut door.
Turn wall and machine power switches on.
Power light glows red and machine fills automatically.
Wash ready light glows amber when wash tank is ready.
Rinse ready light glows amber when machine is up to required tempearature.

OPERATION

Load rack into machine and shut door.
Press start button - Cycle light glows green while machine operates.
When Cycle light goes out, cycle is complete.
Remove rack. Close door.

SHUT DOWN EVERY NIGHT

Open door and turn Drain switch on
After drain starts remove drain upstand when the top of the upstand is above the surface of the water.
Allow to drain for approximately 1 minute.
Turn Drain and Power switches off.
Remove scrap trays, filter and rinse clean.
Replace filter and drain upstand.

Operating Pro

PRE-RINSING

Pre-scraping of dishes is required
best method is to pre-rinse with v
Pre-rinse Unit - or alternatively by

Cutlery should be pre-soaked in w
cutlery pre-soak compound - refe

RACKING PROCEDURES

Do not overload racks or cutlery c
of crockery. Wash cutlery unsorte

Cycle times are short and water c
there is no advantage in overloadi

CYCLE TIMES

The XU has a 2 minute cycle.

CHEMICAL

Correct type and quantity of dete
Use good quality chemicals and re
the use of drying agent and cutler
chemical supplier. Detergent conc
adjusting the timer (refer service m
set to a low injection rate, and wil
operator can adjust this via the ad
(refer service manual).

DRYING

Single tank commercial dishwashe
However, the machines do rinse a
promotes fast drying particularly

At the end of the cycle promptly r
machine - leave the rack on the be
emptying. This time will be reduce
agent (rinse fluid) which reduces v
water to drain quickly from wash
and injectors refer to your chemic

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WASH

WASHTECH®

ocedures

by Food Hygiene Regulations. The
warm water with a Fisher
y scraping or dunking in water.

warm water, preferably containing
er your chemical supplier.

containers, minimise the overlap
ed, handles down.

onsumption per cycle low – so
ng racks.

rgent is essential for good results.
egularly check containers. Discuss
ry pre soak solution with your
centration can be changed by
manual). Rinse Fluid is factory
l take many cycles to prime. The
justing screw on the front cover

ers do not have a drying cycle.
t high temperatures which
when drying agents are used.

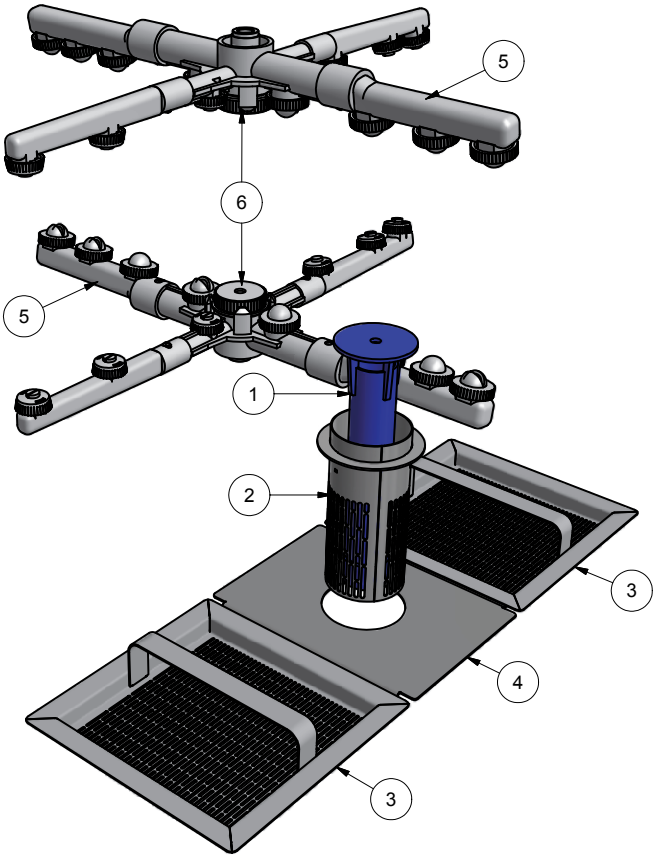
remove the rack from the
ench for 2 to 3 minutes before
ed with correct use of drying
water surface tension and allows
ware. For advice on drying agents
cal supplier.

TECH®

Care

DAILY CLEANING
It is essential that the machine is drained and cleaned at the end of each day. Drain the machine as per the shut down instructions. Remove, clean and replace filters. Regularly check the wash and rinse jets and clean if necessary – see below

REGULAR CLEANING – at least once a week
Remove upstand (1) and filter (2). Remove scrap trays (3) & (4). Remove wash and rinse arms (5) by undoing the central thumbscrews (6).
Inspect all jets – use toothpick or paperclip and remove jets if necessary to flush and clear. Clean and then replace all items.



MAINTENANCE
Regular servicing of the dishwasher is essential for high performance, efficient operation and long machine life.

Contact us for information on maintenance contracts.

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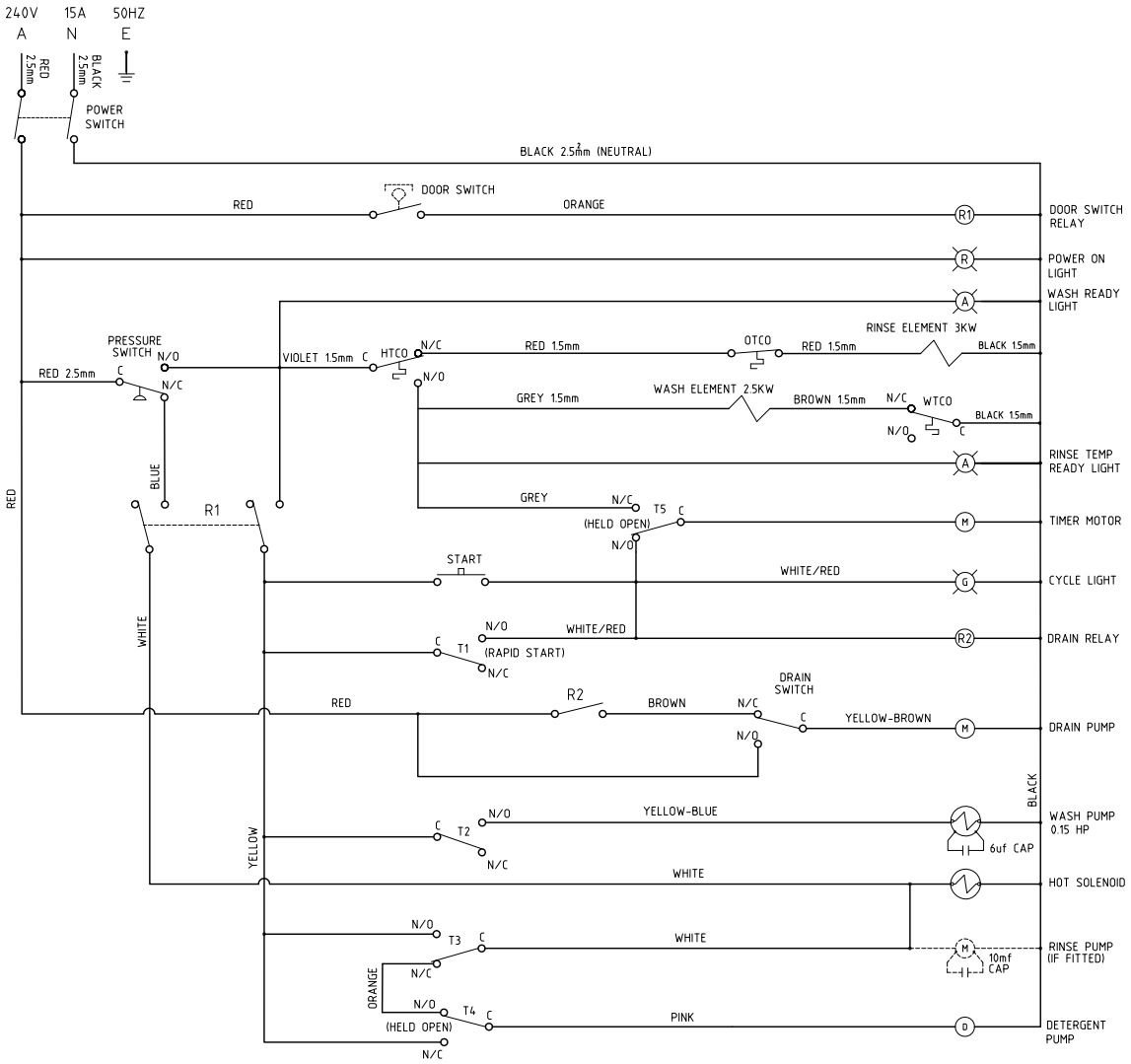
Web www.moffat.com.au

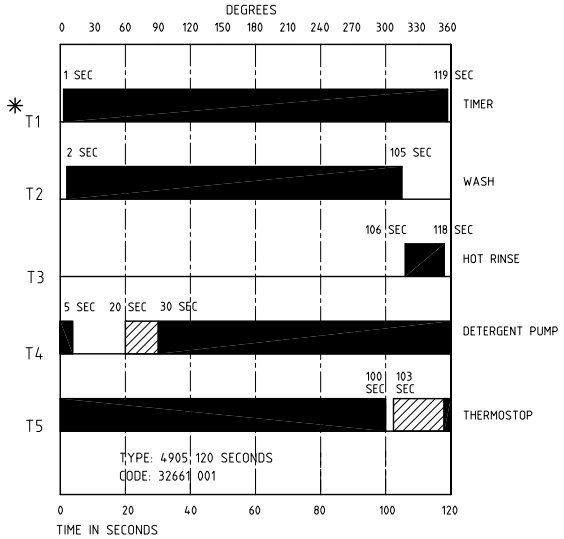
Troubleshooting

Fault	Cause	Remedy
Filling		
Not filling	Water supply valve shut	Check Water supply valve
	Door Switch not operating	Check Door is closed
Filling during wash cycle	Upstand not fitted properly	Check Drain upstand is fitted
Heating		
Dishes not hot enough	Rinsing but not hot	Check arms spinning freely & water supply temperature
Cycle start		
Does not start	Door switch	Check door is closed
Cycle Finish		
Wash too long	Water supply cold	Check water temperature
Performance		
Poor wash result	Detergent not used	Use quality low foam product
	Overloading racks	Do not overload racks
	Not pre-rinsing	Use Fisher pre-rinse
	Wash arms not rotating	Remove and clean arms/check bushes
	Wash jets blocked	Remove arms and clean jets
	Excessive soiling	Pre-rinse/use long cycle
	Unrealistic expectation	E.g. baked on soiling requires pre-soaking
Poor rinse results	Rinse jets blocked	Remove arms and clean jets
	Rinse arms not turning	Remove arms, clean jets, check bushes
	Poor racking procedures	Do not overload racks
	Excessive wash tank soil build up	Pre-rinse, change wash water regularly
Not drying	Poor wash/rinse performance	Refer above
	Low temperatures	Check heating systems
	Drying agent not used	Use quality drying agent/rinse fluid
Foaming Wash	Excessive Rinse Fluid	Adjust Rinse Fluid Injector

XU-2 Schematic Diagram

120117 26/03/13 1 A





* T1 IS CAM CLOSEST TO 180 SEC. TIMER MOTOR

KEY

ADJUSTABLE CAM

PRESET CAM

XU-2 Wiring Diagram

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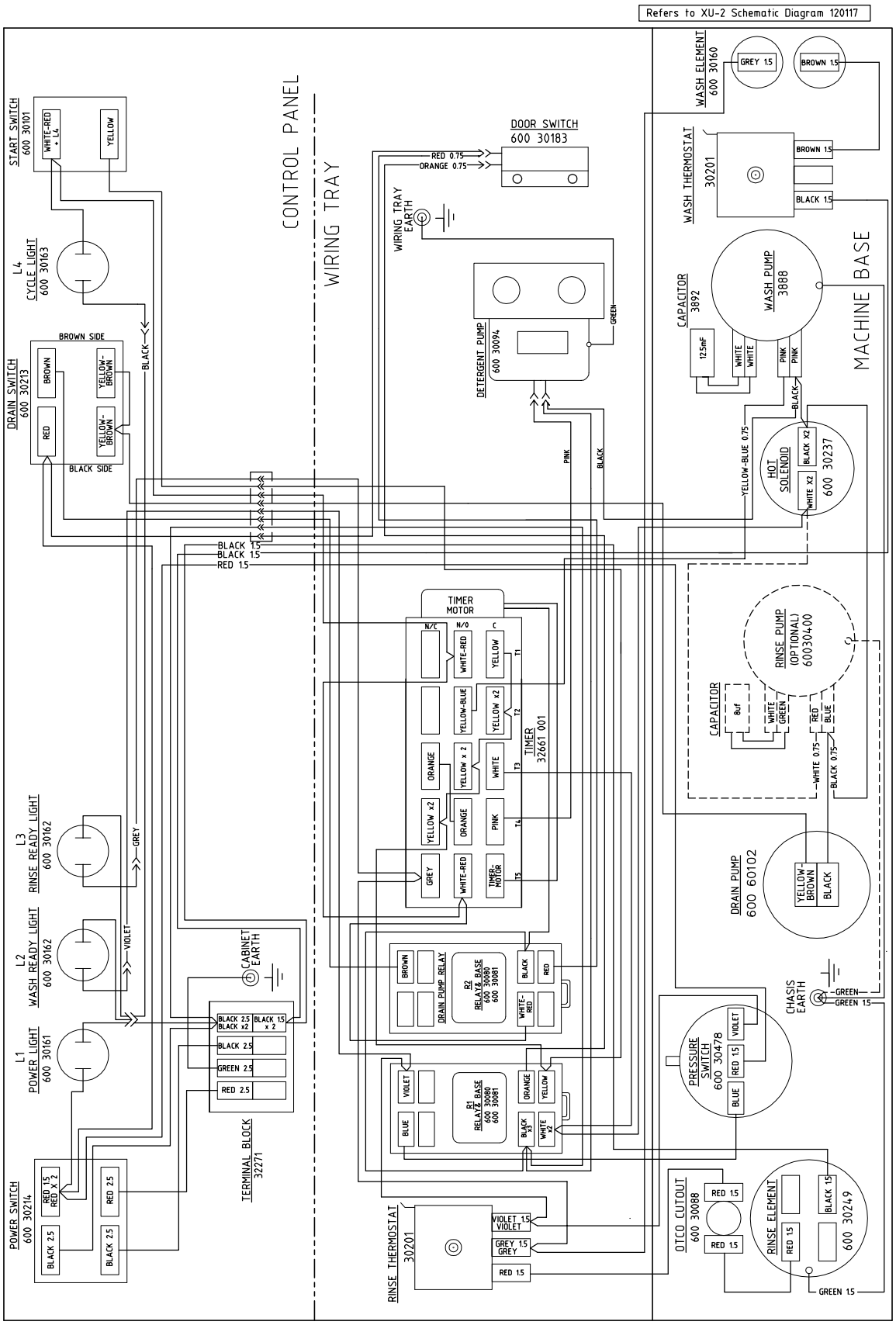

Accessories

	Code	Description
	600 70029	Cuprack 500mm
	600 70028	Dishrack 500mm
	C660503	G Cutlery Container

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Victoria
Australia

24HR Service 1 800 622 216
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Fax 03 9518 3818
E-mail vsales@moffat.com.au
web www.moffat.com.au

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